

WHAT IS CLAIMED IS AS FOLLOWS:

1. A cable clip with cable segregator comprising:

an outer housing including a first end with an inner edge and an outer edge, a second end with an inner edge and an outer edge, and a side with an inner edge and an outer edge, the inner edges of the first end, the second end and side defining an open sided space;

a plurality of members extending from the inner edge of the side into the open space defining a plurality of open ended cable slots within the open space, the cable slots having a depth and a width,

the members being spaced apart so that the width of the cable slots is sized to receive telecommunications cable

the outer edges of the first end, the second end and the side including first, second and rear grooves, respectively, for receiving a first edge, a second edge and a rear edge, respectively, of a mounting opening, the first and second grooves having recesses for receiving a tab formed in each of the first and second edges of the mounting opening.

2. The cable clip of claim 1, wherein the depth of the slots is sized to receive two telecommunications cables in each slot.

3. The cable clip of claim 2, wherein the width of the slots varies from the nominal width along the depth, with a narrower than nominal portion at the open end of the slot, and a plurality of wider than nominal portions along the depth of the slot.

4. The cable clip of claim 3, wherein the number of slots defined within the open space is eight.

5. The cable clip of claim 4, wherein the first end includes a pivot and the second end includes a catch, and a gate engages and rotates about the pivot and is adapted to releasably engage the catch, the gate covering the open end of the slots when in a closed

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position engaging the catch and being movable to an open position upon disengaging the catch.

- 6-7. A cable clip with cable segregator comprising:
- an outer housing including a top with an inner edge and an outer edge, bottom with an inner edge and an outer edge, and a side with an inner edge and an outer edge, the inner edges of the top, bottom and side defining an open sided space;
 - a plurality of members extending from the inner edge of the side into the open space defining a plurality of open ended cable slots within the open space, the cable slots having a depth and a width;
 - the members being spaced apart so that the width of the cable slots is sized to receive telecommunications cable;
 - the outer housing including a trumpet flare to provide bend radius protection for telecommunications cables received in the slots.
- 7-8. The cable clip of claim 7 wherein the depth of the slots is sized to receive two telecommunications cables in each slot.
- 8-9. The cable clip of claim 8, wherein the width of the slots varies from the nominal width along the depth, with a narrower than nominal portion at the open end of the slot, and a plurality of wider than nominal portions along the depth of the slot.
- 9-10. The cable clip of claim 9, wherein the number of slots defined within the open space is eight.
- 10-11. The cable clip of claim 10, wherein the first end includes a pivot and the second end includes a catch, and a gate engages and rotates about the pivot and is adapted to releasably engage the catch, the gate covering the open end of the slots when in a closed position engaging the catch and being movable to an open position upon disengaging the catch.

- 11 12. The cable clip of claim 7, the outer edges of the first end, the second end and the side including first, second and rear grooves, respectively, for receiving a first edge, a second edge and a rear edge, respectively, of a mounting opening, the first and second grooves having recesses for receiving a tab formed in each of the first and second edges of the mounting opening.

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13. A cable riser comprising:
- a first wall having a front edge, a rear edge, a first side and a second side;
 - a second wall generally perpendicular to the first wall having a first edge, a second edge, a first side and a second side, and being connected along the first edge to rear edge of the first wall;
 - a third wall generally perpendicular to the second wall having a first edge, a second edge, a first side and a second side, and being connected to the second edge of the second wall along the second edge to the second edge of the second wall;
 - the first side of the first wall, the first side of the second wall and the first side of the third wall cooperating to define a channel;
 - the front edge of the first wall having a plurality of mounting openings adapted to mount cable clips with segregators to organize and hold telecommunications cables and allow the cables to pass into the channel of the cable riser.

- 13 14. The cable riser of claim 13, wherein the cable clip with cable segregator comprises:
- an outer housing including a top with an inner edge and an outer edge, bottom with an inner edge and an outer edge, and a side with an inner edge and an outer edge, the inner edges of the top, bottom and side defining an open sided space;
 - a plurality of members extending from the inner edge of the side into the open space defining a plurality of open ended cable slots within the open space, the cable slots having a depth and a width;
 - the members being spaced apart so that the width of the cable slots is sized to receive telecommunications cable;

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the outer housing including a trumpet flare to provide bend radius protection for telecommunications cables received in the slots.

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1415. The cable riser of claim 14, wherein the depth of the slots in the cable clips is sized to receive two telecommunications cables in each slot.

1516. The cable riser of claim 15, wherein the width of the slots in the cable clip varies from the nominal width along the depth, with a narrower than nominal portion at the open end of the slot, and a plurality of wider than nominal portions along the depth of the slot.

1617. The cable riser of claim 16, wherein the number of slots in the cable clip defined within the open space is eight.

1718. The cable riser of claim 17 wherein the first end of the cable clip includes a pivot and the second end of the cable clip includes a catch, and a gate engages and rotates about the pivot and is adapted to releasably engage the catch, the gate covering the open end of the slots in the clip when in a closed position engaging the catch and being movable to an open position upon disengaging the catch.

Sub A37 1819. The cable riser of claim 18, wherein the outer edges of the top, bottom and side have upper, lower and rear grooves, respectively, and the cutouts in a wall have upper, lower and rear edges, the upper, lower and rear grooves receiving the upper, lower and rear edges, respectively, of the cutout, and the upper and lower grooves having recesses for receiving a tab formed in each of the upper and lower edges of the cutout.

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1920. A cable riser comprising:
a first wall having a front edge, a rear edge, a first side and a second side;
a second wall generally perpendicular to the first wall having a first edge, a second edge, a first side and a second side, and being connected along the first edge to rear edge of the first wall

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a third wall generally perpendicular to the second wall having a first edge, a second edge, a first side and a second side, and being connected to the second edge of the second wall along the second edge to the second edge of the second wall;

the first side of the first wall, the first side of the second wall and the first side of the third wall cooperating to define a channel;

the front edge of the first wall having a plurality of mounting openings and a plurality of cable clips with segregators mounted in the mounting openings to permit cables to pass into the channel;

a plurality of cable routing clips mounted to the first side of the first wall, the first side of the second wall and the first side of the third wall within the channel, the clips cooperating to define a plurality of generally vertical cable paths within the channel; and

each of the cables passing through the cable clips with segregators in the front edge of the first wall being held within one of the plurality of cables paths inside the riser.

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21. The cable riser of claim 20, wherein the number of cable clips with segregators and the number of cable paths provided by the cable routing clips within the riser.

22. A method of loading cables into a cable riser comprising:

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providing a telecommunications equipment rack with vertically spaced apart cable connection locations, an cable riser with walls defining a cable channel mounted adjacent to the rack, a plurality of cables attached to the cable connection locations within the rack, the cables exiting from the rack through a side wall of the rack adjacent to the cable riser and entering the cable riser through a plurality of vertically spaced apart openings in a wall of the riser, the riser having a plurality of cable paths defined within the cable channel, the cable paths being generally vertical and horizontally spaced apart about the cable channel along the walls defining the channel;

numbering the openings sequentially from top to bottom, and numbering the cable paths sequentially from the cable path nearest the rack and nearest the front of

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the channel, and designated that the cables from each sequentially numbered opening should be placed within the corresponding sequentially numbered cable path;

inserting a telecommunications cable from a numbered cable opening into the corresponding numbered cable path.

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The method of claim 21, wherein a plurality of cable channels defined by walls of the cable riser are provided within the cable riser, each cable channel having a plurality of generally vertical, horizontally spaced apart cable paths about the channel along the walls defining the channel, each channel having a plurality of vertically spaced apart openings through which cables from the adjacent telecommunications equipment rack enter the cable riser, and each channel independently numbers and designates the openings and paths within that channel.

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